

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1.-18. (CANCELED)
19. (NEW) A method of producing sesquidiploid progeny from chromosome-doubled interspecific *Nicotiana* hybrids comprising:
 - a. selecting a first parental line for a high level of biomass in one species;
 - b. selecting a second parental line of another species which is capable of a high level of systemic expression of heterologous protein from transfection by a viral vector;
 - c. crossing said high biomass first parent with said high expression level second parent to produce a primary interspecific hybrid;
 - d. selecting a chromosome-doubled hybrid;
 - e. selecting said first parent of the chromosome-doubled interspecific hybrid as a recurrent parent based on biomass greater than the chromosome-doubled interspecific hybrid; and
 - f. backcrossing said chromosome-doubled interspecific hybrid to the recurrent parent and collecting resulting seed capable of germinating to produce plants having both a high level biomass and the capacity for high level of systemic expression of heterologous protein from transfection by a viral vector.
20. (NEW) The seed produced from the method of claim 19, wherein said seed produces plants having both a high level biomass and the capacity for high level of systemic expression of heterologous protein from transfection by a viral vector.
21. (NEW) A *Nicotiana* plant, or a part thereof, produced by growing the seed of claim 20.

22. (NEW) A tissue culture of regenerable cells of the plant, or a part thereof, of claim 21, wherein the regenerable cells are produced from a tissue selected from the group consisting of embryos, meristematic cells, pollen, leaves, anthers, roots, root tips, flowers, seeds, stems and pods.